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(54) **CAPACITY MODULATION FOR PLURAL COMPRESSORS**

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(57) **ABSTRACT**

A compressor system includes a pair of compressors located in a common shell. A common drive shaft drives both compressors and the drive shaft is powered by a single motor. One or both of the compressors can be equipped with a pulse width modulated capacity control system and a vapor injection system. When one compressor is equipped with these systems, the capacity can be varied between 50% and 110%. When both compressors are equipped with these systems, the capacity can be varied between 0% and 120%.

41 Claims, 7 Drawing Sheets

